

## PATENT COOPERATION TREATY

## PCT

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY  
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

|   |   |                                |
|---|---|--------------------------------|
| Applicant's or agent's file reference<br><b>P18132WO</b>  | <b>FOR FURTHER ACTION</b> See Form PCT/IPEA/416                 |                                |
| International application No.<br><b>PCT/SE2003/001518</b>   | International filing date (day/month/year)<br><b>30-09-2003</b> | Priority date (day/month/year) |
| International Patent Classification (IPC) or national classification and IPC<br><b>See Supplemental Box</b> |   |                                |
| Applicant<br><b>Telefonaktiebolaget LM Ericsson (publ) et al</b>  |   |                                |

- This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 5 sheets, including this cover sheet.
- This report is also accompanied by ANNEXES, comprising:
  - ☒ (sent to the applicant and to the International Bureau) a total of 8 sheets, as follows:
    - ☐ sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
    - ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.
  - ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) \_\_\_\_\_, containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).

- This report contains indications relating to the following items:

- |                                     |              |   |
|-------------------------------------|--------------|---|
| <input checked="" type="checkbox"/> | Box No. I    | Basis of the report   |
| <input type="checkbox"/>            | Box No. II   | Priority  |
| <input type="checkbox"/>            | Box No. III  | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  |
| <input type="checkbox"/>            | Box No. IV   | Lack of unity of invention  |
| <input checked="" type="checkbox"/> | Box No. V    | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/>            | Box No. VI   | Certain documents cited   |
| <input type="checkbox"/>            | Box No. VII  | Certain defects in the international application  |
| <input type="checkbox"/>            | Box No. VIII | Certain observations on the international application   |

|   |   |
|---|---|
| Date of submission of the demand<br><b>04-04-2005</b>   | Date of completion of this report<br><b>27-12-2005</b>                            |
| Name and mailing address of the IPEA/SE<br>Patent- och registreringsverket<br>Box 5055<br>S-102 42 STOCKHOLM<br>Facsimile No. +46 8 667 72 88 | Authorized officer<br><br><b>Peter Hedman/MN</b><br>Telephone No. +46 8 782 25 00 |

**INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY**

International application No.

**PCT/SE2003/001518**

**Supplemental Box**

In case the space in any of the preceding boxes is not sufficient.

Continuation of: **Cover sheet**

**INTERNATIONAL PATENT CLASSIFICATION (IPC) :**

**H04L 29/06 (2006.01)**

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/001518

## Box No. I Basis of the report

1. With regard to the language, this report is based on:

- ☒ the international application in the language in which it was filed
- ☐ a translation of the international application into \_\_\_\_\_, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rules 12.3(a) and 23.1(b))
- ☐ publication of the international application (Rule 12.4(a))
- ☐ international preliminary examination (Rules 55.2(a) and/or 55.3(a))

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1-6, 9-25 as originally filed/furnished
- pages\* 7, 8, 8a received by this Authority on 18-11-2005
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☒ the claims:
- pages \_\_\_\_\_ as originally filed/furnished
- pages\* \_\_\_\_\_ as amended (together with any statement) under Article 19
- pages\* 26-30 received by this Authority on 18-11-2005
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☒ the drawings:
- pages 1-5 as originally filed/furnished
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (specify): \_\_\_\_\_
- ☐ any table(s) related to the sequence listing (specify): \_\_\_\_\_

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (specify): \_\_\_\_\_
- ☐ any table(s) related to the sequence listing (specify): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/001518

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement

|                               |        |             |     |
|-------------------------------|--------|-------------|-----|
| Novelty (N)                   | Claims | <u>1-23</u> | YES |
|                               | Claims | _____       | NO  |
| Inventive step (IS)           | Claims | <u>1-23</u> | YES |
|                               | Claims | _____       | NO  |
| Industrial applicability (IA) | Claims | <u>1-23</u> | YES |
|                               | Claims | _____       | NO  |

## 2. Citations and explanations (Rule 70.7)

The claimed invention focuses on the problem of how to provide a safe and reliable way of handling identities of users between different domains. This is achieved by way of introducing an Identity Generator device comprising a decomposer component, the use of which makes a users service indicator opaque outside the identity generator device.

Reference is made to the following documents:

D1: WO03/050743 a

D2: US2003/0093681 A1

D1 refers to a system and a method for providing content services to mobile devices while ensuring user privacy. Upon receiving a request for a content from an affiliated content provider a proxy server generates a provider-specific identifier (subnym) from a subscriber identifier (corresponding to the UID) and a service ID (corresponding to the SID). The subnym is attached to a HTTP request. The HTTP request is then, together with the appended subnym, forwarded to an affiliated content provider where the appended subnym is used to determine the identity of the user (See page 3, line 17-31; page 10, line 22-26; page 13, line 8-27; page 14, line 26-page 15, line 21; page 16, line 4-16; page 21, line 8-15; page 22, line 7-27).

An alternative solution is also known from D2. Also this document describes use of symmetric ciphering in accordance with what is suggested in the claimed invention (see paragraph [0026] - [0028]; [0034] - [0035]; [0041]; [0044-0047]).

The subject-matter of claim 1 and 11 differs from both D1 and

.../...

**Supplemental Box**

In case the space in any of the preceding boxes is not sufficient.

Continuation of: BOX V

D2 in that the identity generator device of claim 1 and 11 comprises a decomposer which is arranged so that the user service indicator is opaque outside the identity generator device.

The subject-matter of independent claims 1 and 11 is therefore novel (Article 33(2) PCT).

As a consequence also the dependent claims 2-10 and 12-23 are novel.